

INTERNATIONAL SEARCH REPORT

International Application No. PCT/DK89/00017

| I. CLASSIFICATION OF SUBJECT MATTER (if several classification symbols apply, indicate all) | |
|---|--|
| According to International Patent Classification (IPC) or to both National Classification and IPC | |

B 41 F 31/04, 31/18

II. FIELDS SEARCHED

Minimum Documentation Searched¹

| Classification System | Classification Symbols |
|-----------------------|------------------------|
| IPC 4 | B 41 F, B 41 L |

Documentation Searched other than Minimum Documentation
to the Extent that such Documents are Included in the Fields Searched²

SE, NO, DK, FI classes as above

III. DOCUMENTS CONSIDERED TO BE RELEVANT³

| Category ⁴ | Citation of Document, ⁵ with indication, where appropriate, of the relevant passages ¹² | Relevant to Claim No. ¹³ |
|-----------------------|---|-------------------------------------|
| X | EP, A2, 0 222 118 (M.A.N. ROLAND DRUCKMASCHINEN AG) 20 May 1987 see column 2, lines 27-36 & DE, 3539759 JP, 62111747 US, 4754701 | 1-6 |
| A | EP, A2, 0 128 411 (KOENIG & BAUER AG) 19 December 1984 see figures 1, 5 | |
| A | US, A, 2 151 968 (C.L. HENDERSON) 28 March 1939 see page 2, column 2, lines 17-36 | |

- Special categories of cited documents:¹⁰
- "A" document defining the general state of the art which is not considered to be of particular relevance
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- "O" document referring to an oral disclosure, use, exhibition or other means
- "P" document published prior to the international filing date but later than the priority date claimed

- "T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
- "X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step
- "Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.
- "&" document member of the same patent family

IV. CERTIFICATION

| | |
|---|---|
| Date of the Actual Completion of the International Search | Date of Mailing of this International Search Report |
| 1989-04-24 | 1989-04-25 |
| International Searching Authority | Signature of Authorized Officer  Hans Peterson |

INTERNATIONAL SEARCH REPORT

International application No.
PCT/SE 2004/001933

A. CLASSIFICATION OF SUBJECT MATTER

IPC7: B41F 9/10, B41F 31/02, B41F 31/04

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B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC7: B41F

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

SE,DK,FI,NO classes as above

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)

EPO-INTERNAL, WPI DATA, PAJ

C. DOCUMENTS CONSIDERED TO BE RELEVANT

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|-----------|--|-----------------------|
| A | BE 527109 A (VICKERYS LIMITED), 31 March 1954 (31.03.1954) -- | 1,12,22-24, 28 |
| A | DE 29913598 U1 (VALMET CORP.), 4 November 1999 (04.11.1999) -- | 1,12,22-24, 28 |
| A | EP 0899101 A1 (GORTER, C.), 3 March 1999 (03.03.1999) -- | 1,12,22-24, 28 |
| A | US 5400710 A (T. EHRHARD), 28 March 1995 (28.03.1995) -- | 1,12,22-24, 28 |

 Further documents are listed in the continuation of Box C. See patent family annex.

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Date of the actual completion of the international search

8 March 2004

Date of mailing of the international search report

21-03-2005

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|-----------|--|-----------------------|
| A | US 6629496 B1 (A. BÖÖSE ET AL), 7 October 2003 (07.10.2003) -- | 1,12,22-24, 28 |
| A | EP 0020106 A1 (BÖÖSE, A.A.), 10 December 1980 (10.12.1980) ----- | 1,12,22-24, 28 |

INTERNATIONAL SEARCH REPORT
Information on patent family members

30/01/2005

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| | | | | | |
|----|----------|----|------------|------|--------------------------|
| BE | 527109 | A | 31/03/1954 | NONE | |
| DE | 29913598 | U1 | 04/11/1999 | FI | 4250 U 15/12/1999 |
| | | | | FI | 980375 A,V 19/08/1999 |
| EP | 0899101 | A1 | 03/03/1999 | DE | 69819258 D,T 22/07/2004 |
| | | | | ES | 2210661 T 01/07/2004 |
| | | | | NL | 1006861 C 00/00/0000 |
| | | | | US | 6089159 A 18/07/2000 |
| US | 5400710 | A | 28/03/1995 | DE | 4320833 C 22/09/1994 |
| | | | | FR | 2706810 A,B 30/12/1994 |
| | | | | GB | 2279298 A,B 04/01/1995 |
| | | | | GB | 9412650 D 00/00/0000 |
| | | | | IT | 1270143 B 29/04/1997 |
| | | | | IT | MI941084 D 00/00/0000 |
| | | | | JP | 2566739 B 25/12/1996 |
| | | | | JP | 7017027 A 20/01/1995 |
| US | 6629496 | B1 | 07/10/2003 | AU | 6036600 A 22/01/2001 |
| | | | | EP | 1208009 A 29/05/2002 |
| | | | | SE | 517357 C 28/05/2002 |
| | | | | SE | 9902582 A 07/01/2001 |
| | | | | WO | 0102169 A 11/01/2001 |
| | | | | BR | 0110000 A 27/05/2003 |
| | | | | CN | 1422196 T 04/06/2003 |
| | | | | EP | 1280625 A 05/02/2003 |
| | | | | JP | 2003530224 T 14/10/2003 |
| | | | | PL | 357764 A 26/07/2004 |
| | | | | SE | 519575 C 18/03/2003 |
| | | | | SE | 0001347 A 12/10/2001 |
| | | | | US | 20040042859 A 04/03/2004 |
| | | | | WO | 0176794 A 18/10/2001 |
| EP | 0020106 | A1 | 10/12/1980 | CA | 1149225 A 05/07/1983 |
| | | | | DE | 3070145 D 00/00/0000 |
| | | | | GB | 2049555 A,B 31/12/1980 |

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| | | | | ES | 2210661 T 01/07/2004 |
| | | | | NL | 1006861 C 00/00/0000 |
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| US | 5400710 | A | 28/03/1995 | DE | 4320833 C 22/09/1994 |
| | | | | FR | 2706810 A,B 30/12/1994 |
| | | | | GB | 2279298 A,B 04/01/1995 |
| | | | | GB | 9412650 D 00/00/0000 |
| | | | | IT | 1270143 B 29/04/1997 |
| | | | | IT | MI941084 D 00/00/0000 |
| | | | | JP | 2566739 B 25/12/1996 |
| | | | | JP | 7017027 A 20/01/1995 |
| | | | | AU | 6036600 A 22/01/2001 |
| | | | | EP | 1208009 A 29/05/2002 |
| US | 6629496 | B1 | 07/10/2003 | SE | 517357 C 28/05/2002 |
| | | | | SE | 9902582 A 07/01/2001 |
| | | | | WO | 0102169 A 11/01/2001 |
| | | | | BR | 0110000 A 27/05/2003 |
| | | | | CN | 1422196 T 04/06/2003 |
| | | | | EP | 1280625 A 05/02/2003 |
| | | | | JP | 2003530224 T 14/10/2003 |
| | | | | PL | 357764 A 26/07/2004 |
| | | | | SE | 519575 C 18/03/2003 |
| | | | | SE | 0001347 A 12/10/2001 |
| EP | 0020106 | A1 | 10/12/1980 | US | 20040042859 A 04/03/2004 |
| | | | | WO | 0176794 A 18/10/2001 |
| EP | 0020106 | A1 | 10/12/1980 | CA | 1149225 A 05/07/1983 |
| | | | | DE | 3070145 D 00/00/0000 |
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